

PHENIX WEEKLY PLANNING



3/14/2013
Don Lynch

This Week

TECHNICAL
SUPPORT
2013

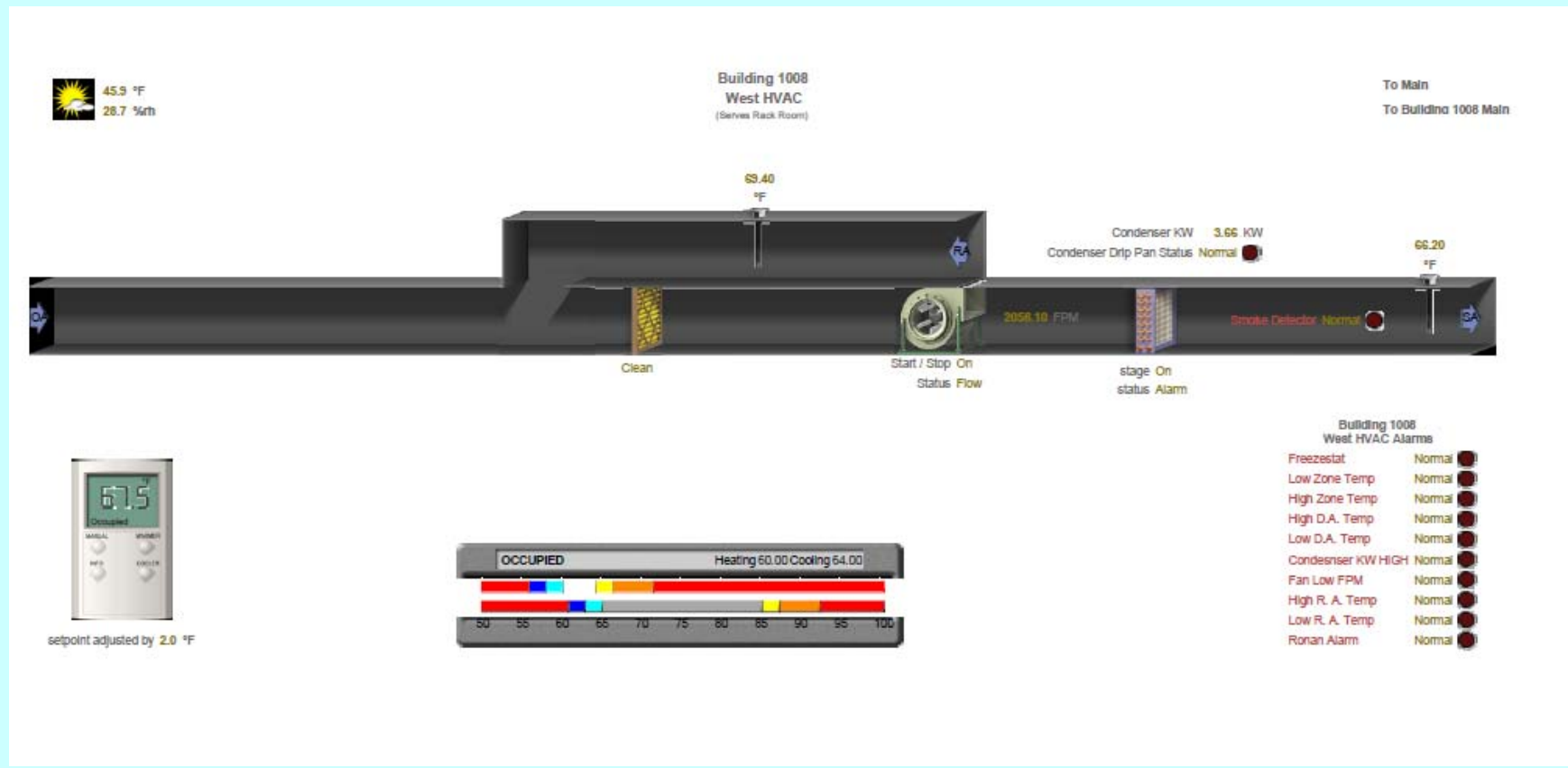
- Run 13 Continues: run support maintenance
- No Scheduled maintenance this week
- 1st scheduled (2 week) maintenance day Wednesday 3/20
- Continue VTX strip pixel stave re-design
- Continue sPHENIX support
- Continue MPC-Ex design
- Future IR evolution modeling

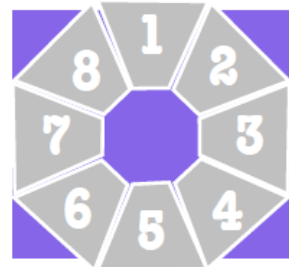
Next Week

TECHNICAL
SUPPORT
2013

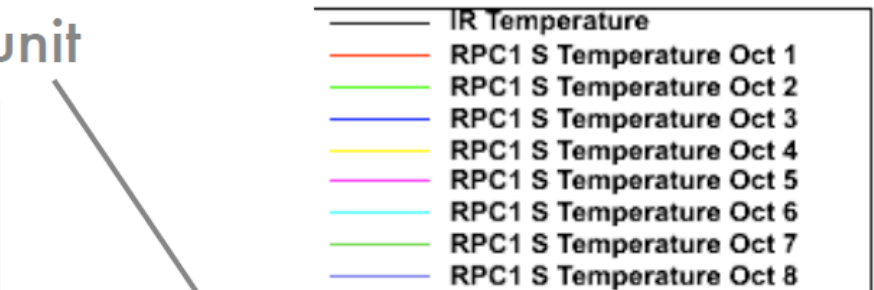
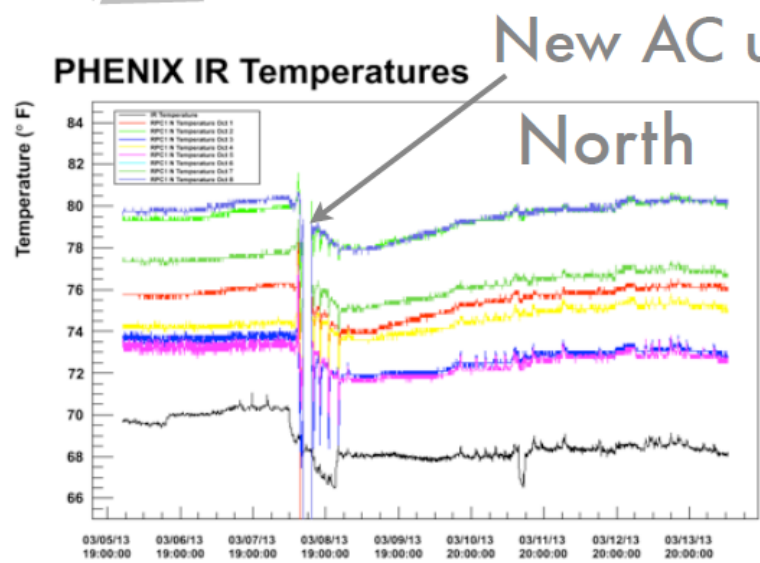
- Run 13 Continues: run support maintenance
- 1st scheduled (2 week) maintenance day Wednesday 3/20
- Continue VTX strip pixel stave re-design
- Continue sPHENIX support
- Continue MPC-Ex design
- Future IR evolution modeling

New 10 ton AC Web based controls



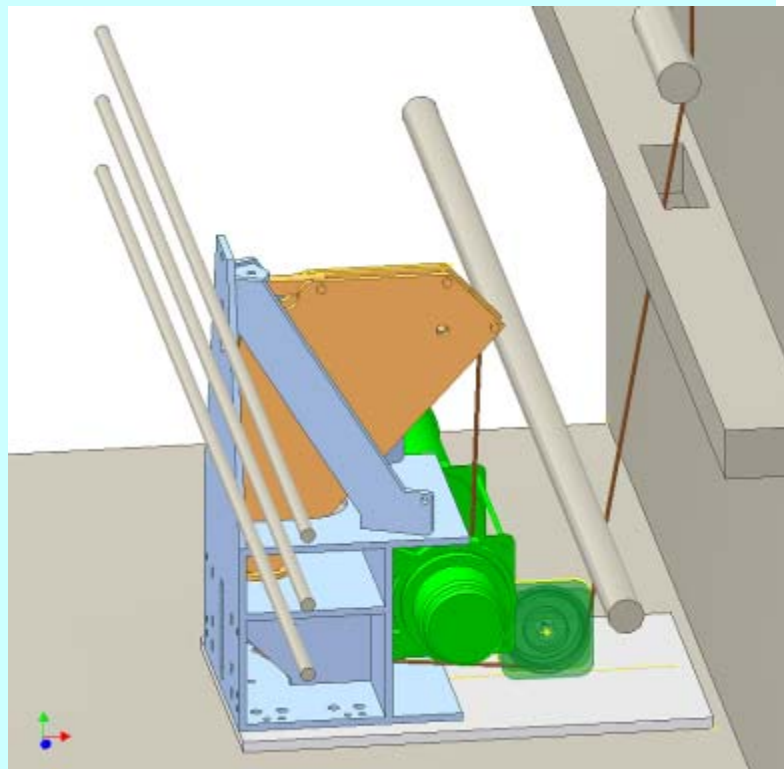


RPC1 T



Window Washer Winch Upgrade

TECHNICAL SUPPORT 2013



Quotation #: 83944
Quotation Date: March 6, 2013
Page: 1 of 3

Attention: Donald Lynch
Company: Brookhaven National Lab
Phone: 631-344-2253

Based on the information provided to us for an AC hoist to be used for lifting, we are pleased to propose the following:

Line	Qty.	Product:	Net Each	Extended
1	1	Columbia HF2100-2A17-L-03 AC Electric Hoist <ul style="list-style-type: none"> 2.0 HP TEFC UL-listed brakemotor 230/3/60 input power Automatic, load-suspending braking system Permanently lubricated, high-efficiency planetary gear reduction Argent gray enamel paint finish Includes single speed low voltage controls <ul style="list-style-type: none"> Reversing motor starter in a NEMA 4X fiberglass enclosure UL-listed Includes NEMA 4X hand-held pendant control with UP/DOWN momentary contacts and up to 15' lead 	\$5,022.00	\$5,022.00

Options:

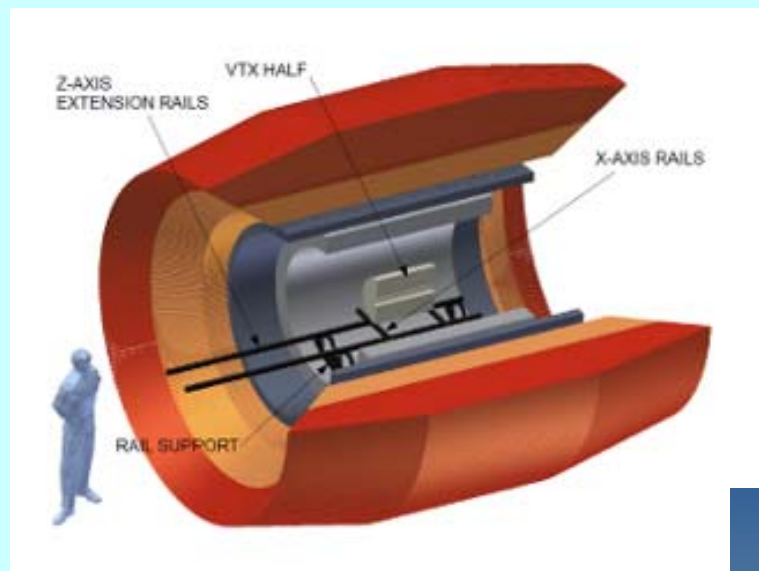
Line	Qty.	Product:	Net Each	Extended
2	1	AutoAdvance Line Spooler <ul style="list-style-type: none"> Designed and built for Columbia HF2100-2A17-L-03 Incoming line from front of spooler Fabricated steel frame Sheaves are steel construction, grooved for 5/16" line Ensures proper line spooling regardless of fleet angle Rope tension must be maintained for proper operation 	\$3,298.00	\$3,298.00

Line	Qty.	Product:	Net Each	Extended
3	1	VLS-6 Vertical Lead Sheave <ul style="list-style-type: none"> 6,000 lbs load limit Can be bolted down or welded for installation Fabricated steel construction Offset design allows for simple installation at any angle Bronze bushed steel sheave grooved for 5/16" wire rope 	\$458.00	\$458.00

Line	Qty.	Product:	Net Each	Extended
4	1	Wire Rope <ul style="list-style-type: none"> 200' of 5/16" galvanized aircraft cable with latching hook Supplied loose 	\$158.00	\$158.00

Total Estimated Material Cost: \$8396

3/14/2013

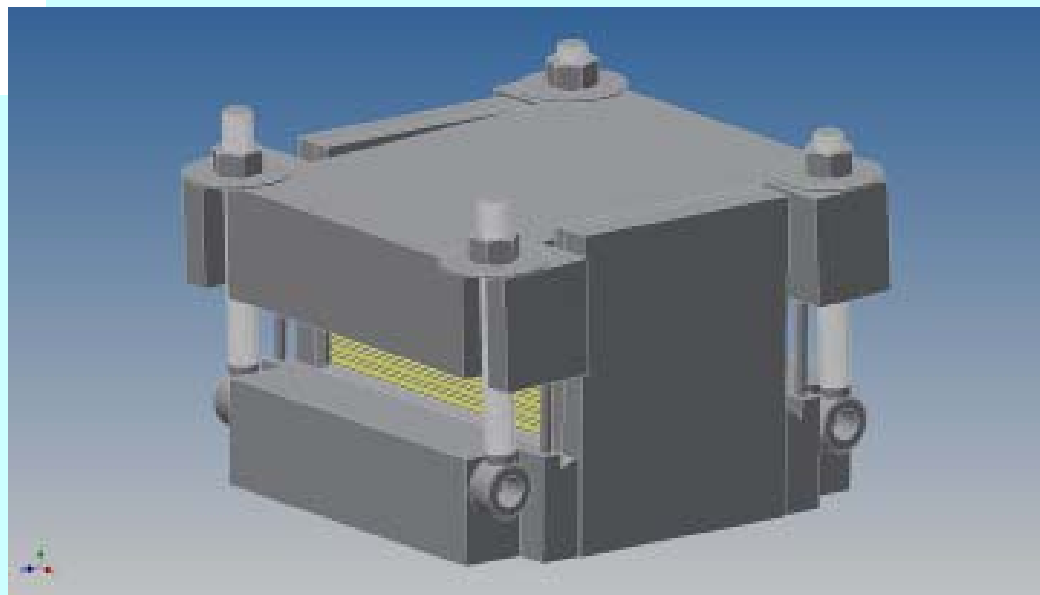


sPHENIX Proposed Upgrade

Work continues evaluating engineering tradeoffs for EMCal and HCal design, materials, etc.

Prototype HCal and EMCal in progress

Quote from ATLAS for HCal prototype steel expected next week

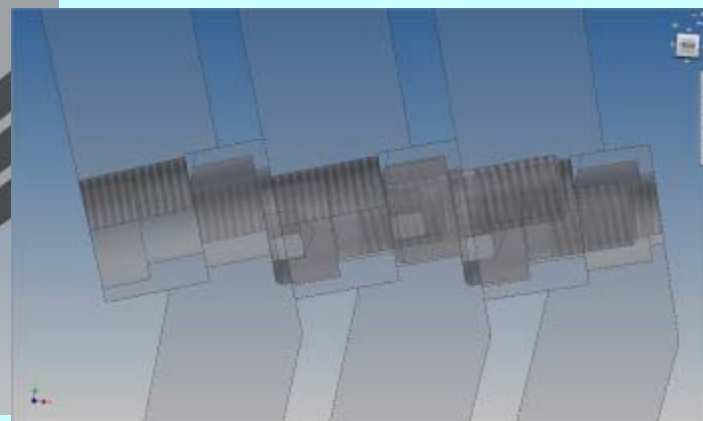
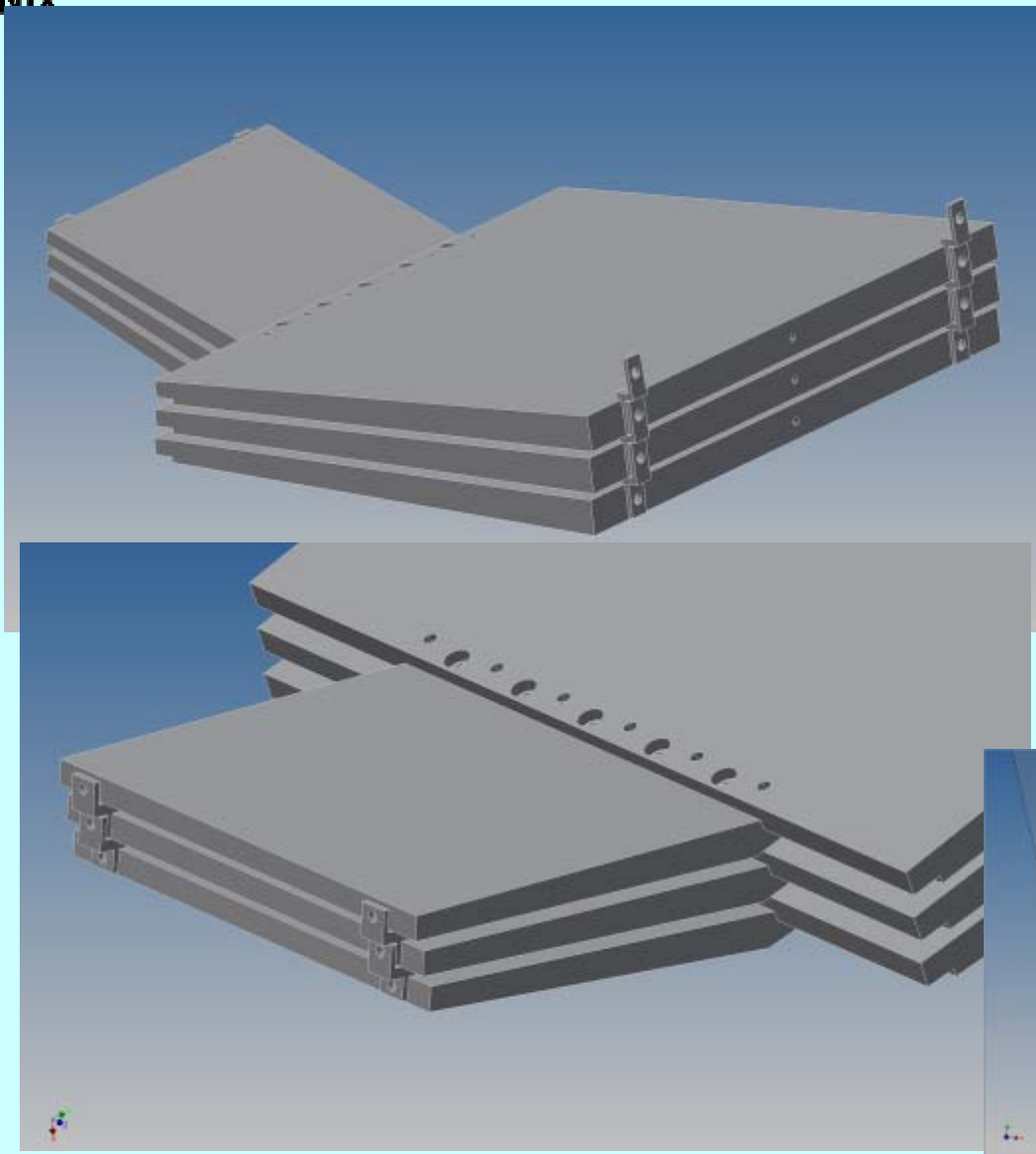


sPHENIX Proposed Upgrade

Work continues evaluating engineering tradeoffs for EMCal and HCal design, materials, etc.

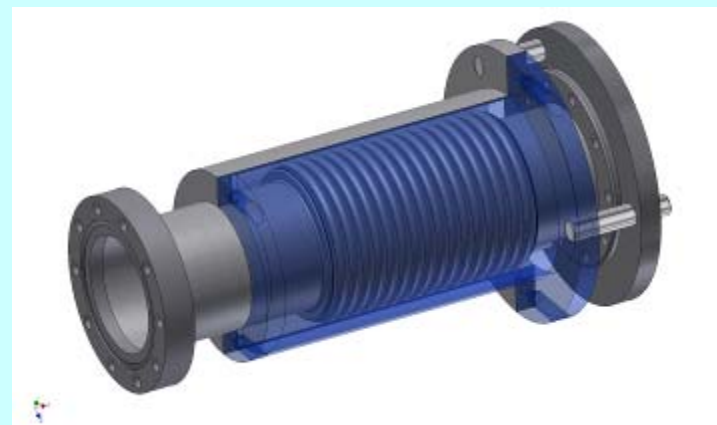
Prototype HCal and EMCal in progress

Quote from ATLAS for HCal prototype steel expected this week

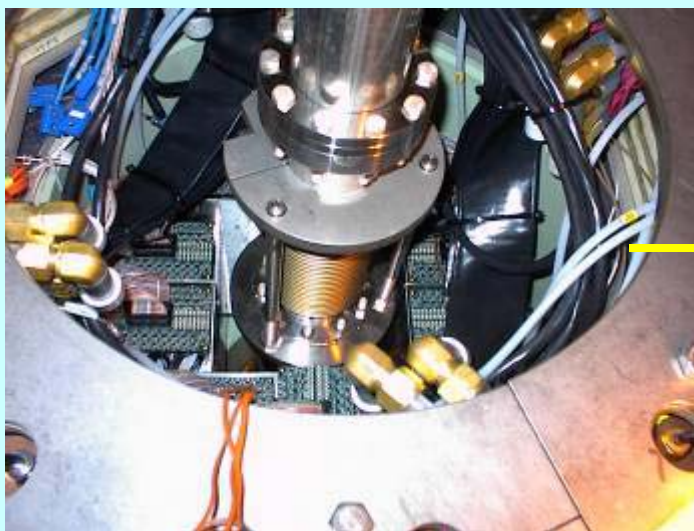




Existing vacuum bellows anti-squirm
In MPC S Cavity

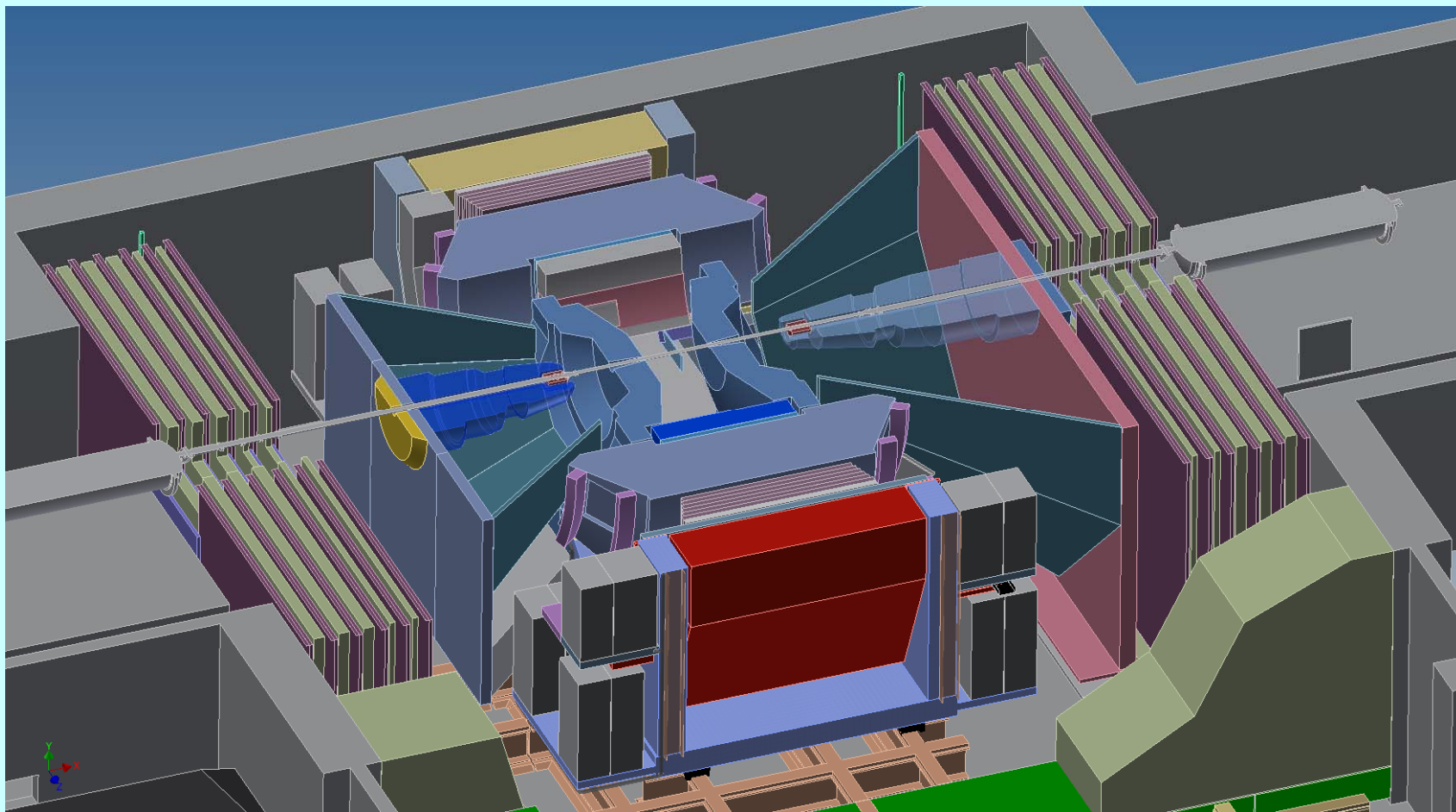


Proposed vacuum bellows anti-squirm
In MPC S Cavity to accommodate MPC-Ex



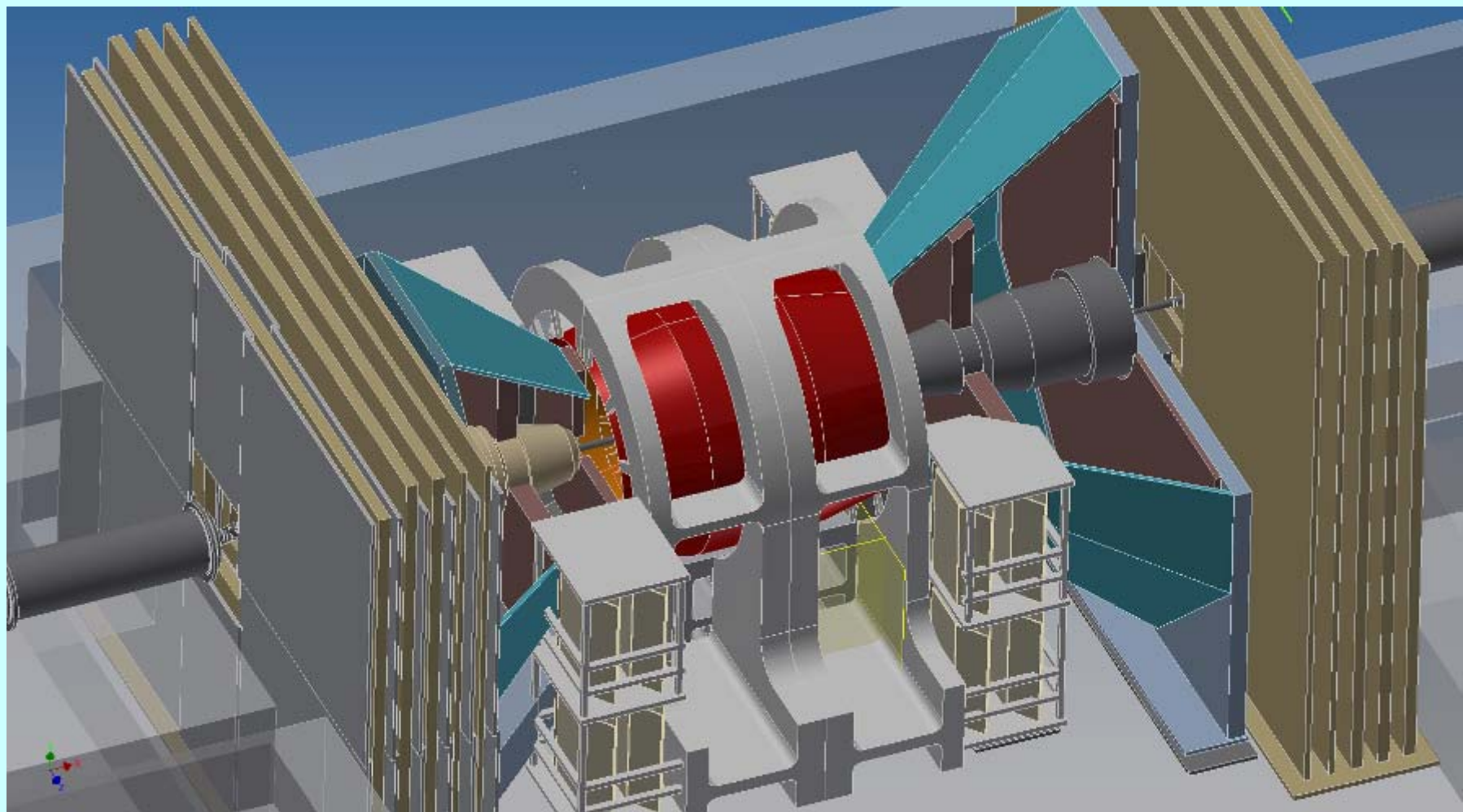
MPCS Flat cables replaced with round cables.

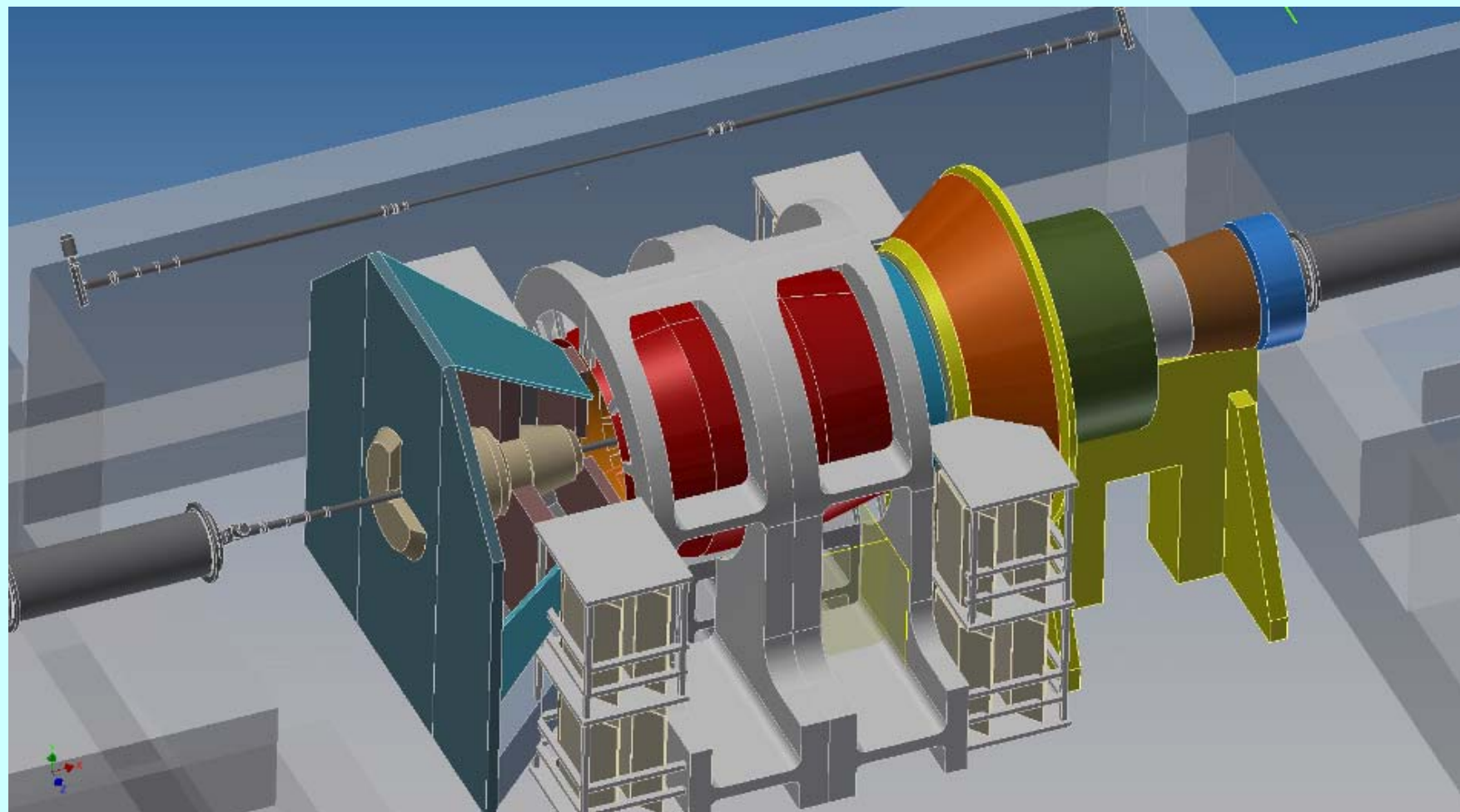
Current PHENIX Configuration

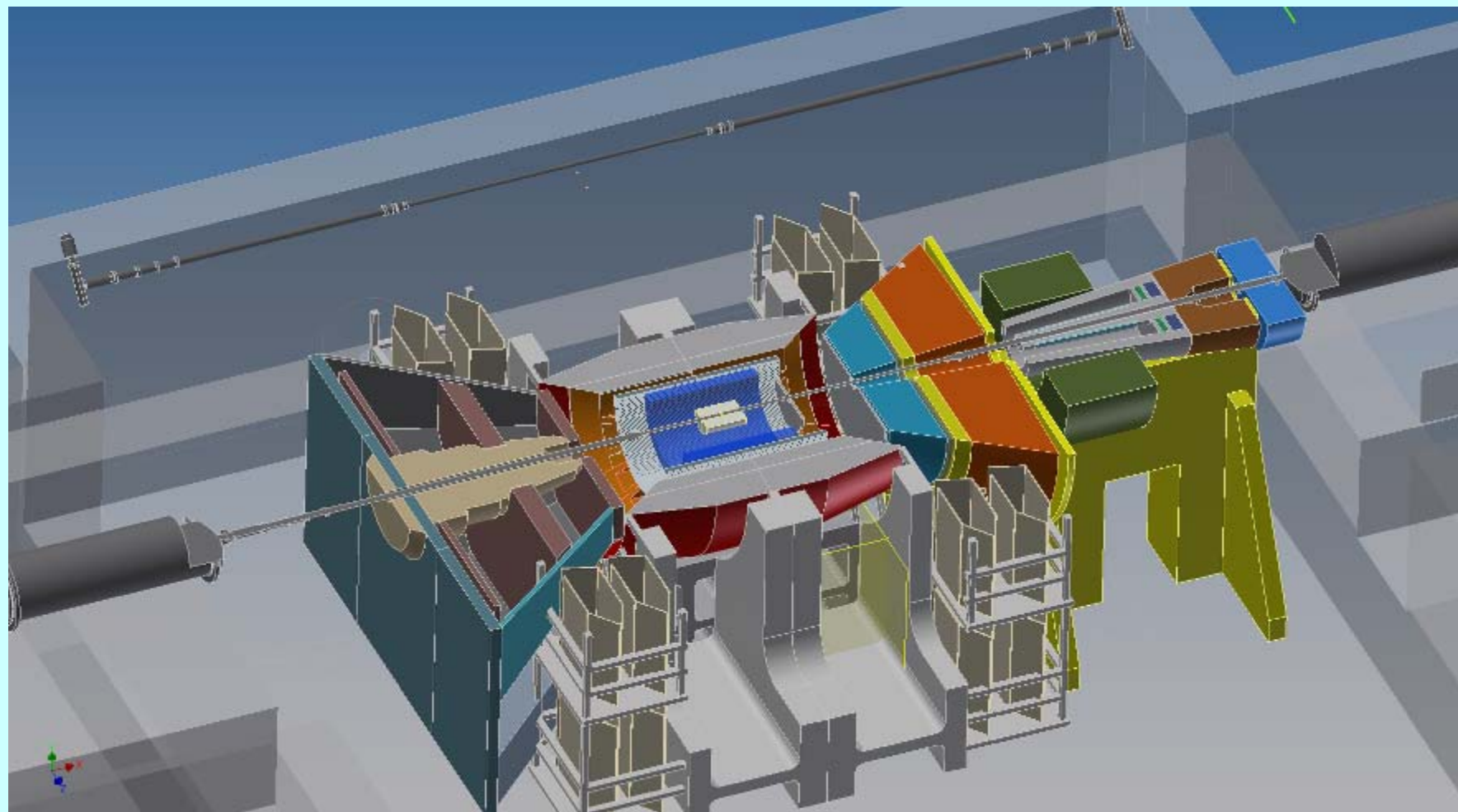


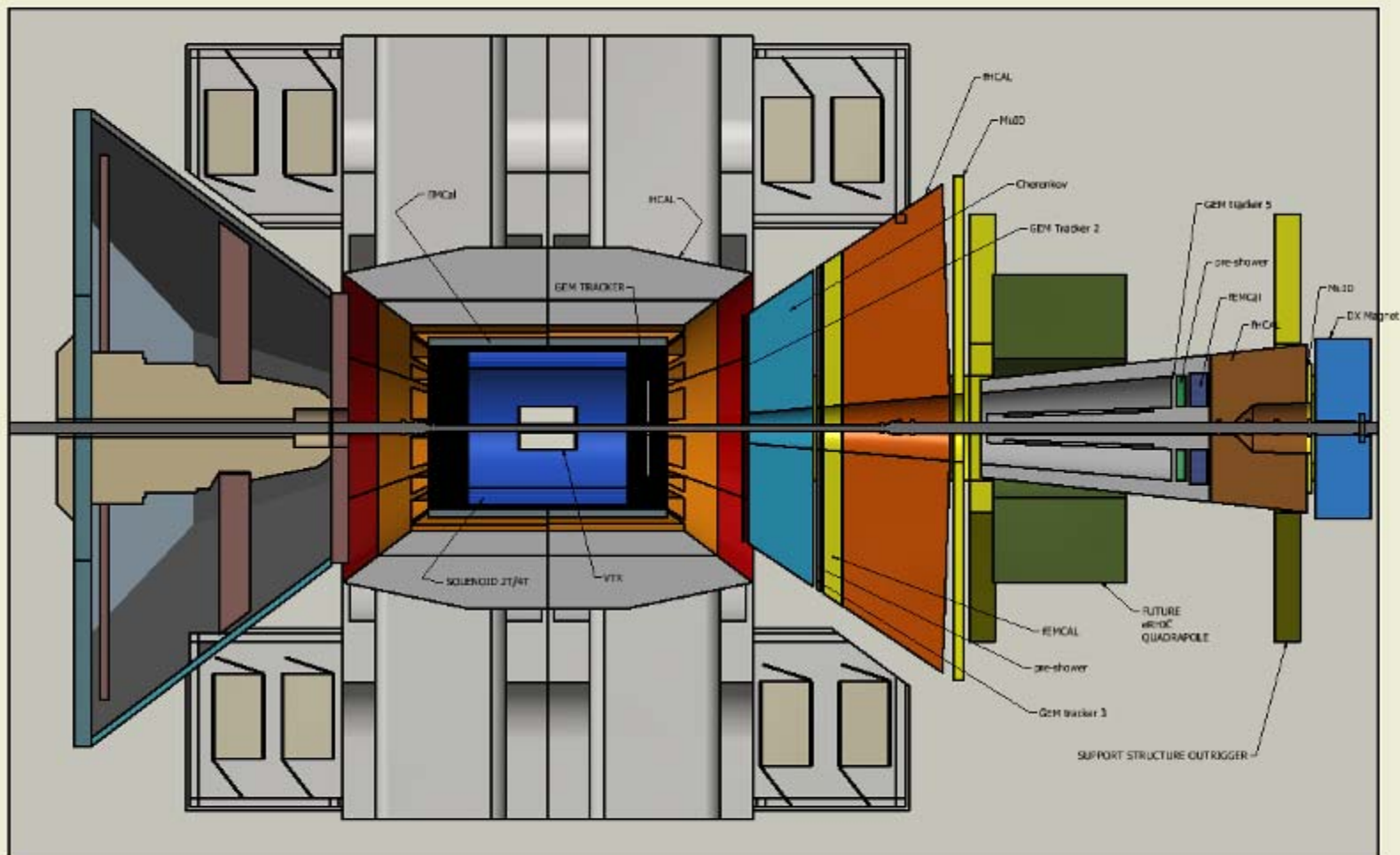
Proposed sPHENIX Configuration

TECHNICAL SUPPORT-2013









TECHNICAL SUPPORT 2013

Prep for 2013 shutdown	2/11-6/30/2013
Design, Fabricate MPC-Ex	
Define tasks and goals	
Analysis and design of fixtures, tools and procedures	
Fabricate/procure tools and fixtures	
Tests, mockups, prototypes	
Receive, fabricate, modify, finish installables	
Review and approval of parts, tools, fixtures and procedures	
Assembly and QA tests	
End of Run Party	6/28/2013
Run 12 Ends	6/30/2013
Shutdown Standard Tasks	6/30-7/19/2013
• Open wall, disassemble wall, Remove MuID Collars,	
• Move EC to AH, etc.	
Disassemble VTX/FVTX services	7/1-7/19/2013
July 4 th Holiday	7/4/2013
Remove VTX/FVTX and transport to Chemistry Lab	7/22/2013
Assemble, Test and Install MPC-Ex (North only?)	7/22-10/1/2013
Summer Sunday (8/5) Prep and teardown	8/1-8/??/2013
Other detector maintenance as required	As required
Infrastructure maintenance as required	As required
TBD prototype tasks	As required
Summer Sunday (RHIC)	8/??/13

TECHNICAL SUPPORT NOTES

Labor Day Holiday	9/2/2013
Repair upgrade, reassemble VTX/FVTX	7/23-10/13/2013
Test, survey (at Chemistry and IR) and re-install VTX/FVTX	10/16-10/27/2013
Pre-run commissioning and prep for run 14	11/1-12/31/2012
Prep for EC roll in	11/1-11/9/2013
Roll in EC	11/10-11/12/2013
Prep IR for run	11/1-11/30/2013
Pink/Blue/White sheets	12/14-12/31/13
Start run 14	1/1/2014

Requests for shutdown work should be submitted as soon as possible .
It is particularly important that we know when and if access is needed
to (a) the front or back of the WC, (b) south station 1, (c) north
station 1, (4) interior of MMS, (5) interior of MMN.



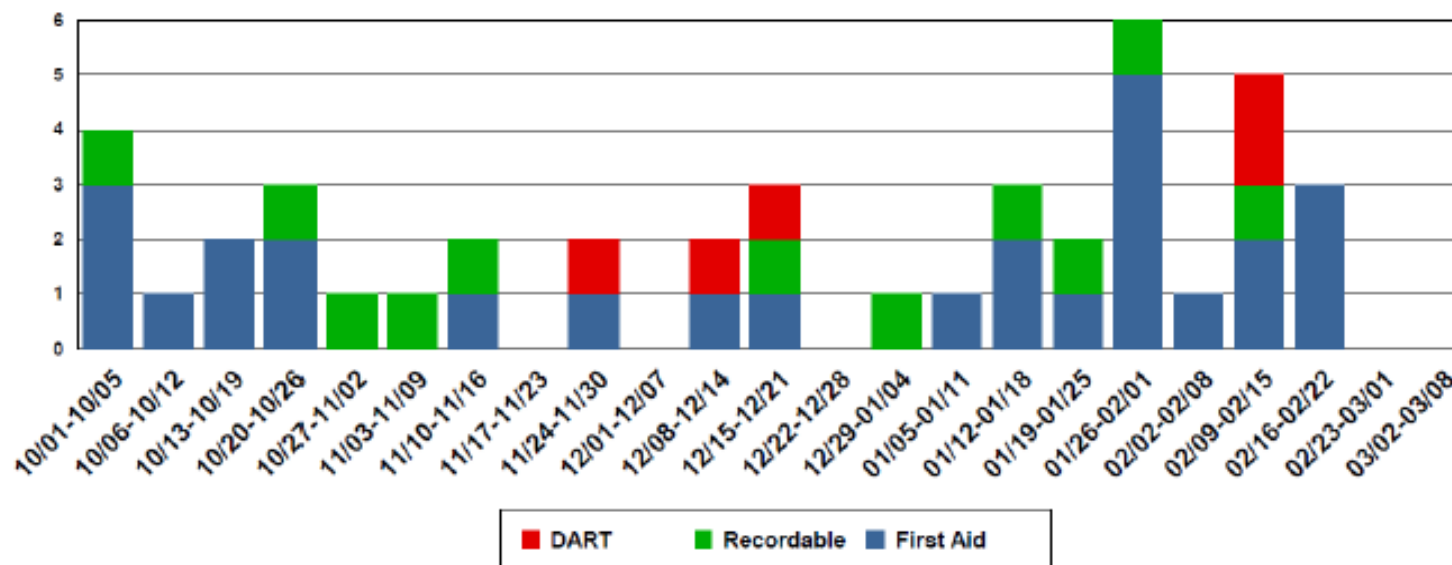
From: Bob Lee, Division Manager Environmental Protection Division

Tick season is coming. The Laboratory is taking a new approach to combating the tick population this year to hopefully reduce the incidence of tick-borne diseases. At the end of 2012, the Laboratory purchased several 4-Poster Tick Management Bait Stations for deployment around the developed areas of the site. These units reduce the tick population by treating deer, the tick's primary host, with a permethrin based tickicide. Deer are attracted to the devices using corn contained in the units. The tickicide is applied to the head and neck of the deer as they bend down to eat the corn contained in the feeding stations and rub against rollers containing the tickicide. Only a few kernels of corn are dispensed at a time to minimize the deer's dependence on corn as a main food staple. Research performed at two sites on Long Island show the device can reduce tick populations as much as 85%. Several years of treatment will be required before we see this level of reduction. More information on the effectiveness and operation of the 4-Poster can be found at the American Lyme Disease Foundation website

<http://www.aldf.com/FourPosterDeerTreatmentBaitStation.htm>.

The devices will be placed in-field beginning in March when ticks become more active. Please do not approach or tamper with the units since they do contain a registered pesticide.

Injuries Per Week (FY) As of 3/8/2013



Injury Status:

FY13 YTD: DART – 5, TRC – 16, First Aid – 27

FY12: DART – 17, TRC – 35, First Aid – 70

FY11: DART – 30, TRC – 44, First Aid – 45

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seq/OccInj/BNLInjuries.aspx>

Recent Injuries

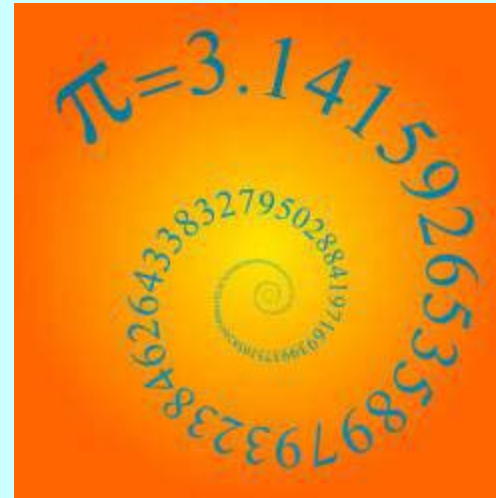
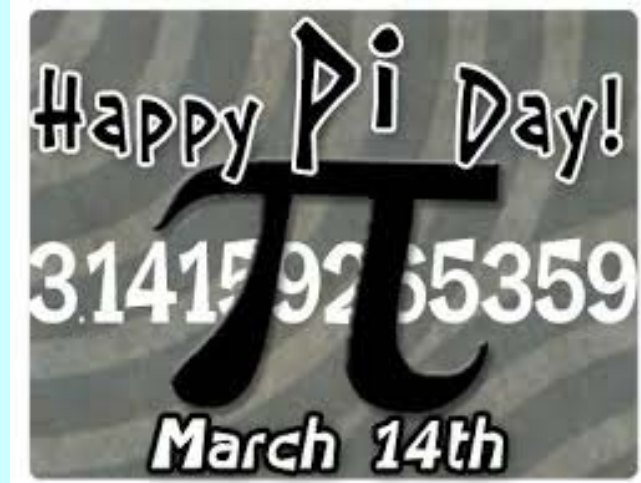
2/12/13	First Aid	An employee slipped and fell on ice, getting abrasions to the forehead. At the OMC, first aid was given.
2/1/13	Recordable	An employee was confirmed with an OSHA recordable hearing loss of more than 25dBA...awaiting Industrial Hygiene investigation.
1/16/13	First Aid	An employee was loosening a bolt when the wrench slipped, striking her in the head. At the OMC, first aid was given.



Recent Events		
3/3/13	Non-Reportable	Repair of the 2/27/13 power outage in B479 over the weekend appears to have resulted in a ceiling light diffuser failure (fell to the ground) when power was restored (due to the thermal transient). No bulbs failed. The building was unoccupied at the time and there were no injuries and no impacts on the environment. (Event Link)
2/28/13	Non-Reportable	On 2/28 at Bld. 958 (the C-AD NASA Space Radiation Lab Facility) a radiation generating device (RGD) was taken into the target room by a Biosciences employee and a SUNY employee who is a guest of Photon Sciences. The device was never energized. It was a C-arm, i.e., it is a x-ray/fluoroscope machine that was to be used in a potential future experiment at NSRL. The C-AD Liaison Physicist for NSRL noticed this and immediately had the C-AD FS Representative discuss the potential safety issues and the requirement that this device be registered as an RGD with BNL Radiological Controls Division. To ensure that the device could not be energized, the C-AD ESSHQ Division Head had the NSRL C-AD Liaison Engineer LOTO the plug of the device to ensure that it would never be plugged into a receptacle. The C-AD FS representative called the FS representative at BNL Medical and had the device transferred to Medical on Monday 3/4/13. (Event Link)



Where To Find PHENIX Engineering Info



Thank God it's Pi Day!

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

